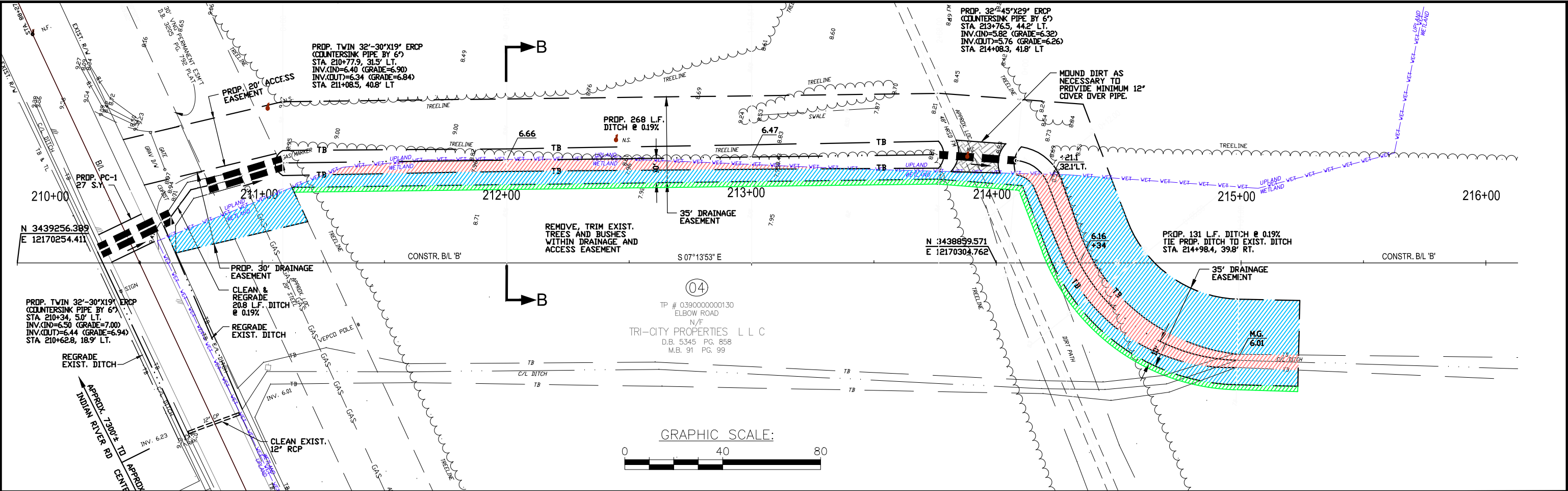


CITY OF CHESAPEAKE	ELBOW ROAD
	DITCH & SHOULDER IMPROVEMENTS
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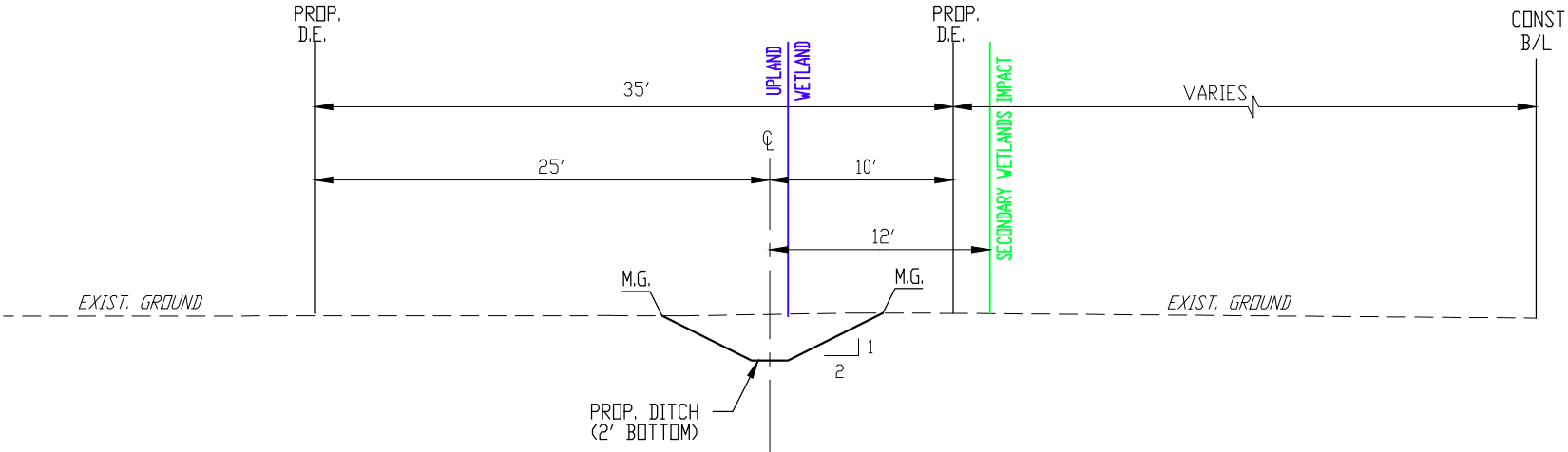


LEGEND

- WET — WET LIMITS OF WETLANDS
- AREA OF DIRECT WETLANDS IMPACT VIA FILL/CLEARING = 5,307 S.F.
- AREA OF DIRECT WETLANDS IMPACT VIA EXCAVATION/REGRADE = 2,077 S.F.
- AREA OF SECONDARY WETLANDS IMPACT VIA DRAINAGE EFFECT (LATERAL DRAW-DOWN) = 906 S.F.

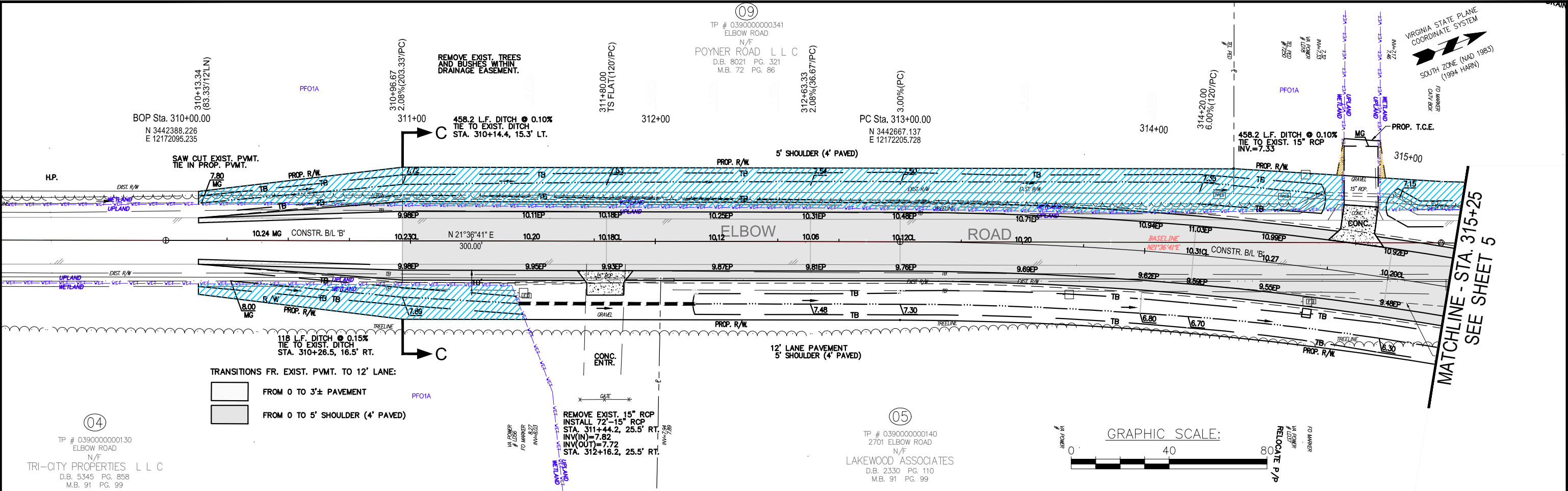
WETLANDS IMPACT THIS SHEET:

QUANTITY VOLUME OF EXCAVATION = 67.5 C.Y.



SECTION B - B
Not To Scale





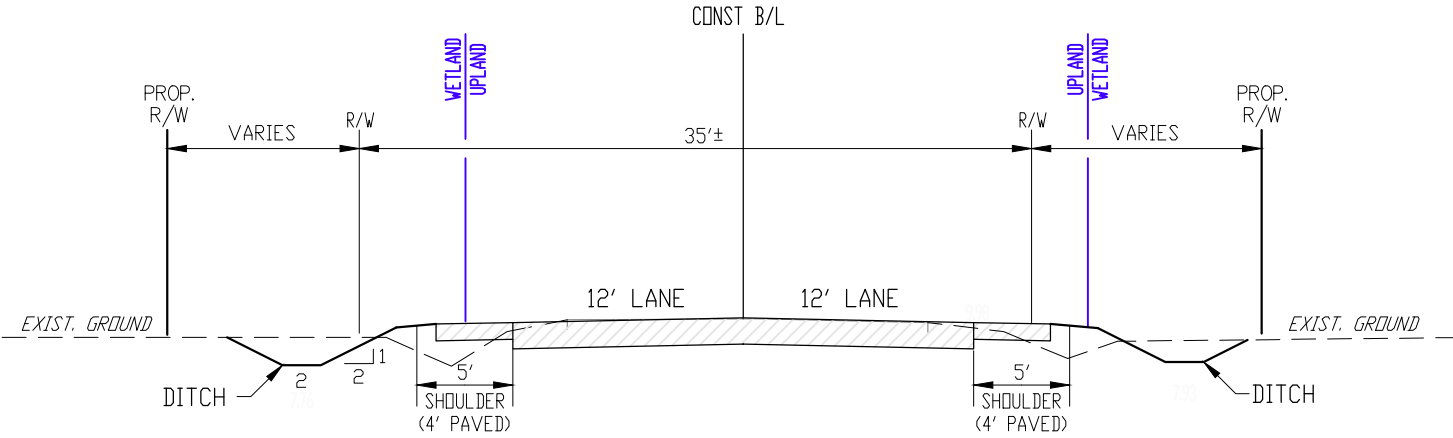
LEGEND

- PROP. 12'-LANE PAVEMENT AND 4'-PAVED SHOULDER
- LIMITS OF WETLANDS
- AREA OF PFO WETLANDS IMPACT = 9,058 S.F. (THIS SHEET)
- AREA OF TEMPORARY WETLANDS IMPACT = 37 S.F.

WETLANDS IMPACT THIS SHEET:
SEE SHEET 5 FOR TOTAL.

QUANTITY VOLUME OF
EXCAVATION = 126.5 C.Y.

QUANTITY VOLUME OF
FILL = 152.5 C.Y.

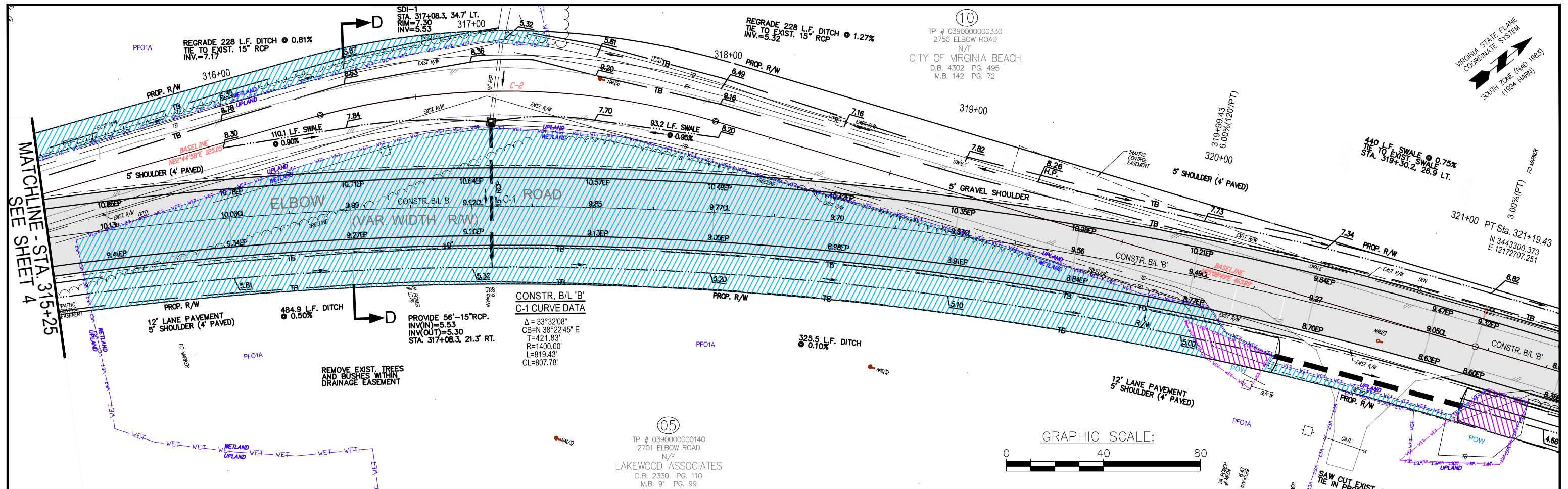


SECTION C-C
Not To Scale



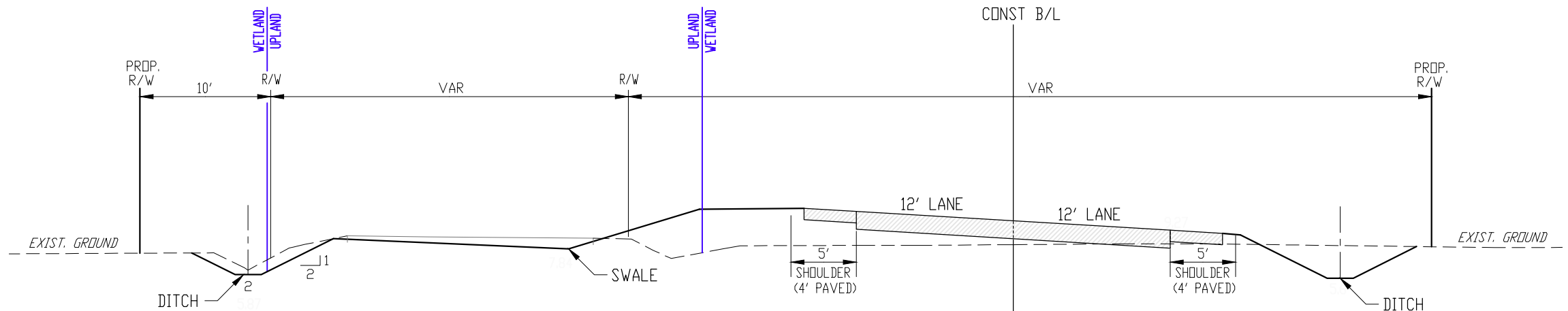
CITY OF CHESAPEAKE
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LEGEND

- PROP. 12'-LANE PAVEMENT AND 4'-PAVED SHOULDER
- WET WET LIMITS OF WETLANDS
- AREA OF PFO WETLANDS IMPACT = 22,947 S.F. (THIS SHEET)
- AREA OF POW WETLANDS IMPACT = 663 S.F.



WETLANDS IMPACT THIS SHEET:

QUANTITY VOLUME OF EXCAVATION = 463.5 C.Y.

QUANTITY VOLUME OF FILL = 941.6 C.Y.

TOTALS - SHEETS 4 AND 5:

TOTAL AREA OF PFO WETLANDS IMPACT = 32,005 S.F.

TOTAL QUANTITY VOLUME OF EXCAVATION = 590.0 C.Y.

TOTAL QUANTITY VOLUME OF FILL = 1,094.1 C.Y.

SECTION D-D

Not To Scale

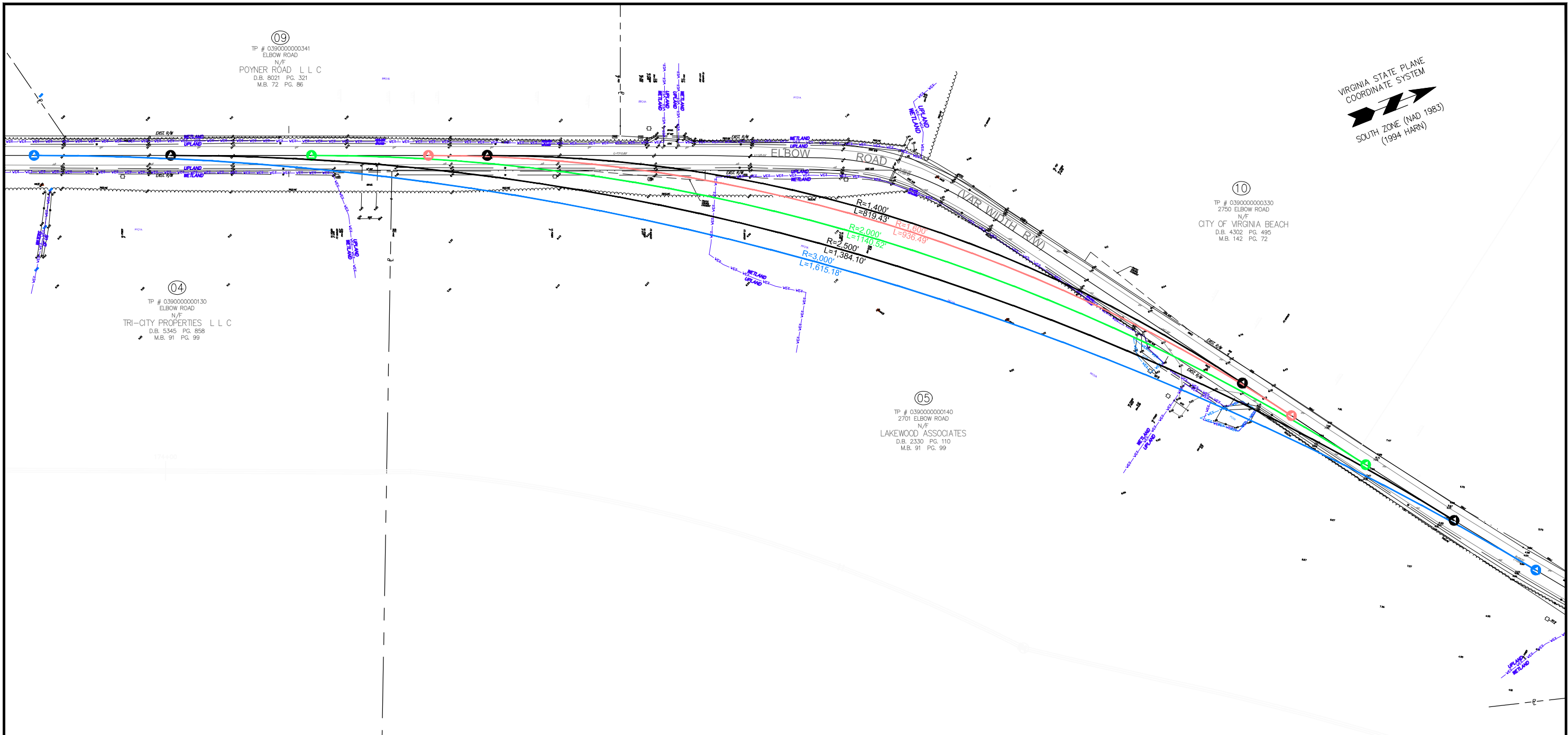


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Wetland Impacts													
Right-of-Way width													
Radius	Arc length	~60'			90'			120'			260'		
		Sq.Ft.	Acres	% incr.	Sq.Ft.	Acres	% incr.	Sq.Ft.	Acres	% incr.	Sq.Ft.	Acres	% incr.
1400'	819	32,005	0.73	-	48,008	1.10	50%	64,010	1.47	100%	138,688	3.18	333%
1600'	936	36,577	0.84	14%	54,866	1.26	71%	73,154	1.68	129%	158,501	3.64	395%
2000'	1,141	44,546	1.02	39%	66,819	1.53	109%	89,092	2.05	178%	193,033	4.43	503%
2500'	1,384	54,060	1.24	69%	81,090	1.86	153%	108,119	2.48	238%	234,259	5.38	632%
3000'	1,615	63,085	1.45	97%	94,628	2.17	196%	126,170	2.90	294%	273,369	6.28	754%

Notes:
Area CADD Measured for 1,400' radius with ~60 ROW width
Area ratioed for alternative radii and section widths

